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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 16:25:00 ; Search time 142.504 Seconds
(without alignments) 10334.327 Million cell updates/sec

Title: US-09-807-933B-2

Perfect score: 1017
Sequence: 1 atgaagcttactatctatgc.....caggtgttcaagaataaa 1017

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 72403093 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	189.4	18.6	1473	10	US-09-735-787-3
2	181.2	17.8	927	9	US-10-007-521-5
3	181.2	17.8	1423	9	US-10-007-521-9
4	181.2	17.8	960	9	US-10-007-521-1
5	180	17.7	894	9	US-10-007-521-3
6	173.8	17.1	1132	9	US-10-007-521-21
7	165.4	16.3	1154	9	US-10-007-521-7
8	162.2	15.9	913	9	US-10-007-521-13
9	160.4	15.8	885	9	US-10-007-521-23
10	157.8	15.5	1261	9	US-09-261-329-23
11	153.6	15.1	1060	10	US-09-735-787-1
12	153.6	15.1	1174	9	US-10-007-521-11
13	137	13.5	808	9	US-10-007-521-15
14	135.6	13.3	1031	9	US-10-007-521-19
15	135.6	13.3	1048	9	US-10-007-521-17
16	125.2	12.3	425	9	US-10-007-521-25
17	72.2	7.7	936	7	US-08-841-636A-30
18	59.4	5.8	225	9	US-10-007-521-31
19	59	5.8	159	9	US-10-007-521-47

20	59	5.8	180	9	US-10-007-521-69	Sequence 69, Appl
21	58.8	5.8	171	9	US-10-007-521-51	Sequence 51, Appl
22	56.4	5.5	177	9	US-10-007-521-33	Sequence 33, Appl
23	56	5.5	165	9	US-10-007-521-77	Sequence 77, Appl
24	53	5.2	147	9	US-10-007-521-57	Sequence 57, Appl
25	51.2	5.0	159	9	US-10-007-521-71	Sequence 71, Appl
26	49.6	4.9	166	9	US-09-916-494A-3	Sequence 3, Appl
27	49.6	4.9	1506	10	US-09-981-908B-20	Sequence 20, Appl
28	47.4	4.7	114	9	US-10-007-521-61	Sequence 61, Appl
29	46.4	4.6	1935	10	US-09-864-761-20241	Sequence 20241, A
30	46.4	4.6	1673	10	US-09-864-761-3471	Sequence 3471, A
31	46	4.5	1811	9	US-10-086-510-2	Sequence 2, Appl
32	45.6	4.5	1683	10	US-09-864-761-18168	Sequence 18168, A
33	45.4	4.5	177	9	US-10-007-521-37	Sequence 37, Appl
34	45	4.4	150	9	US-10-007-521-67	Sequence 67, Appl
35	45	4.4	180	9	US-10-007-521-41	Sequence 41, Appl
36	44.6	4.4	153	9	US-10-007-521-39	Sequence 39, Appl
37	44.2	4.3	1075	10	US-09-864-761-19241	Sequence 19241, A
38	44.2	4.3	1403	10	US-09-864-761-2513	Sequence 2513, Ap
39	43.8	4.3	153	9	US-10-007-521-49	Sequence 49, Appl
40	43.8	4.3	558	9	US-09-998-660-1	Sequence 1, Appl
41	43.8	4.3	888	10	US-09-742-693-34	Sequence 34, Appl
42	43	4.2	1075	10	US-09-864-761-19241	Sequence 19241, A
43	43	4.2	1403	10	US-09-864-761-2513	Sequence 2513, Ap
44	42.2	4.1	160	9	US-10-007-521-75	Sequence 75, Appl
45	41.8	4.1	574	10	US-09-864-761-228	Sequence 228, App

ALIGNMENTS

RESULT 1
US-09-735-787-3
Sequence 3, Appl
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Schulein, Martin
Patkar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESSER: No. US20010036910A1 No. US20010036910A1disk of No. US20010036910A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
SEQUENCE DESCRIPTION: SEQ ID NO: 3
US-09-735-787-3

Query Match 18.6%; Score 189.4; DB 10; Length 1473;
Best Local Similarity 59.0%; Pred. No. 1.8e-51;
Matches 369; Conservative 0; Mismatches 241; Indels 15; Gaps 2;
QY 380 GTGGTGCCTCTGTAACGCGTGTCTACTACTGTTATTGGGATTGCTGTAAAGCCCTCTGTA 439
DB 143 GTGCTCTTCTGGAAGGGGTCACTACTGATAGGGAATGCTGGAAGCCCTTTGCT 202
QY 440 GCTGGCCCGGTAAAGCCGATGTCACTTCTCTGTAAGTCTGTAACAAAGATGTGTCA 439
DB 203 CTGGAGCGGAAAGGCTGTCTCAAGCCCTCTTAACTTGATTAAGAGACAAACC 262
QY 500 CTGCCCTTAGTGAAGCAATGCCCAAGGCTGTAAAGGTTGTAACAGTTACATGTGA 559
DB 263 CATTTCACACCAATGCTGTCAAGGTTGTAGAGGTTGTTGCTTAACTGTGCA 322
QY 560 ACACAACCAACCTTGGGCTGTAAAGCAACCTTGGCTAATGTTGCTGTGCTGCA 619
DB 323 CCAACTACTCTCCCTGGGCTGTCAAGATAGCTGCTACGGTTGCTGCTACCAAGA 382
QY 620 TCAAGTGTGTGTGAATCTCGCTGTGTGTTCTTGTTCGAATCTTCACTTCTCA 679
DB 383 TCTCCGATGTCTCCAGGCGAGCTGTGTCTGTCTTGAAGCTTCACTTCAACATG 442
QY 680 CTTCTGTGTGTGAAGAGATGTTTCCAAAGTCACTAAGTGTGATCTTGGCT 729
DB 443 GCCCGCTCAAGGCAAGAAATGATGTCTCAAGTCCAAACACTGAGGATCTGGCG 502
QY 740 CCTCTACTGTGCTCACTTGTGCAAAATGCCCGGTGTGTGTGTAATTTCAATG 799
DB 503 ACA-----ACCACTTGCATCTCATGATGCCGCGGTGTGTGTGATCTTGACG 553
QY 800 GTTGTTCACCAATGAGGTTGCTCCCAATGACGTTGGGCTCAAGTATAGGTGTATTT 859
DB 554 GTGCACCTCTGTGATTCG-----CAAGGCTCTGGGCGGTGCCAGTACGGCGTATCT 607
QY 860 CTTCTGCATCTGATCTGTAGTCTTCTTCCGACTCCAAAGCTGTGTAAATGAGAT 919
DB 608 CTCCCGAAGCGATGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 667
QY 920 TCACTGTGTCAAGACGCTGATTAACCAAGTACTTAACAAGAAATTAACCTGTCTTA 979
DB 668 TCACTGTGTGTGAGAACGCGGACCAACCTTGAAGTGTGAGAGGTTCAAGTGTGCA 727
QY 980 AGGAATACCGGCAAGACAGGTTG 1004
DB 728 AGGCTCTCTCTGACATCATGTGATG 752

RESULT 2

US-10-007-521-5
Sequence 5, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.

Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 927 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 1..924
SEQUENCE DESCRIPTION: SEQ ID NO: 5
US-10-007-521-5
Query Match 17.8%; Score 181.2; DB 9; Length 927;
Best Local Similarity 59.0%; Pred. No. 6.7e-49;
Matches 372; Conservative 0; Mismatches 243; Indels 15; Gaps 3;
QY 387 CTCTGTAAAGGTGTCTACTCTGTTATTGGGATTGCTGTAAAGCCCTCTGTAAGTGGC 446
DB 60 CTGGGCAATCGGCAAGACCAACCGGTAATCGGACTGCTCAAGCCGAGCTGGCGCTGGCC 119
QY 447 CGGTAAAGCAATGTCAGTTCTCTCTCAAGTCCCTGTAAACAAAGATGTGTCACTGCGCT 506
DB 120 CGCAAGGGGCC--CTCGTCTCGGTGCAAGCTCTGCAACAAAGCAACCCGCTCAA 176
QY 507 TAGTACAGCAATGCCCCAAGTGTGTAAAGTGTGTAAAGTGTGTAAAGTGTGTAAAGT 563
DB 177 CAGCGCGGCTCACCGCGGTGCGGCTGCAAGCGGCGGCGGCAAGGCTCAATGTGCTCTC 236
QY 564 CAACCAACTTGGGCTGTAAAGCAACACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 623
DB 237 CCAGAGCCCTCTGGGCGGTGACGACGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 296
QY 624 TGGT 683
DB 297 CGGCACTCTCGAGTCCAGGT 356
QY 684 TGT 743
DB 357 GTTCGGGCGGCAAGAAATGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 411

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 113..787
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-007-521-1

Query Match 17.8%; Score 181; DB 9; Length 960;
Best Local Similarity 58.9%; Pred. No. 7.9e-49;
Matches 373; Conservative 0; Mismatches 245; Indels 15; Gaps 3;

387 CTCTGTGTAACGGGTGCTACTGCTTATGGAATGCTGTAAAGGCTCTCTGTAAGCTGCTC 446
172 CTGGGGCATGGGCGAGACGACCCGGTACTGCTGAGCTGCTGCAAGCGAGCTGCGCTGGCC 221
447 CGGTAAAGCCCAATGCTAGTCTCTCTGCAAGTCTGTAACAAAGATGCTGCACTGCGCT 506
232 CGGGAAGGGGCC---CTCGTCTCGGGTGCAGGCTTGCACAAAGACAAACCCGCTCAA 288
507 TAGTGACAGCAATGCCAAAGTGGCTGTAAAGTGTGTAAAGT---TACATGTGTAAACA 563
289 CGAGGGGGGCTCCACCCGGTCCGGCTGCGAGGGGGGCGAGCGCTTAATGTCTCTC 348
564 CAACCAACTTGGGCTGTAAAGCAACCTTGTCTATGTGTTTGGCTGCTGTCATCAG 623
349 CCAAGGCCCTGGGCGCTGACGAGCTGTCTAGCGGCTGGCGCGCTCAAGCTCGC 408
624 TGTGTGTGTGAATCTGGCTGGTCTGCTGTTTGAAGCTTACTTCACTTCTACCTC 683
409 CGGAGCTCCAGTGTGAGT 468
684 TGTGTGTGTGAAGATGT 743
469 GGTGCGGGGCAAGAAATGT 523
744 TACTGTGTGTCTACTTGTGCTGAATGCCCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 803
524 ---GACAAACCACTTGTGACCTGGCCATCCCGGTGGCGGTGTGTGTGTGTGTGTGTGTGT 579
804 TTCAGCAATGGGGTGTCTCCCAATGACGCTTGGGGCTCAAGATATACGCTGTATTTCTTC 863
580 CACGACCAAGTACGGCGCTCCCCCGAAGCGCTGGGGGCAACGCTACCGCGGCACTCATTC 639
864 TGCATCTGACTCTCTTACTTCTTCTTCCGACTCCCAAGCTGTGTGTGTGTGTGTGTGTGT 923
640 CAAGGAAGTGTGCAATCTTCTCCGAGGCGCTCAAGCCCGGCTGTCAACTGTGCGCTTCA 699
924 CTGTTCAAGAACTGTATTAACCAAGATGACTTCAAGAAATGTTACTTCTCTAAGA 983

DB 700 CTGTTCCAAAACGCCGACCAACCCCTCGGTCACTTCCAGAGGTGGCTGCGCTCGCA 759
QY 984 AATCAACCGCCAGACAGGTGTGTCAAGAAATA 1016
DB 760 GCTCACTGTCAAGACGGGCTGCTCCGTTAAGA 792

RESULT 5
US-10-007-521-3
Sequence 3, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Laessen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucaases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 894 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..891
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-007-521-3

Query Match 17.7%; Score 180; DB 9; Length 894;
Best Local Similarity 59.1%; Pred. No. 1.6e-48;
Matches 369; Conservative 0; Mismatches 240; Indels 15; Gaps 3;

387 CTCTGTGTAACGGGTGCTACTGCTTATGGAATGCTGTAAAGGCTCTCTGTAAGCTGCTC 446
DB 60 CTGGGGCATGGGCGAGACGACCCGGTACTGCTGAGCTGCTGCAAGCGAGCTGCGCTGGCC 119
QY 447 CGGTAAAGCCCAATGCTAGTCTCTCTGCAAGTCTTGTAAACAAAGATGTGTCTACTGCGCT 506
DB 120 CGGGAAGGGGCC---CTCGTCTCGGGTGCAGGCTGCGACAAAGAACCAACCCGCTCAA 176

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 41..706
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-007-521-13

Query Match 15.9%; Score 162.2; DB 9; Length 913;
Best Local Similarity 56.3%; Pred. No. 1.2e-42;
Matches 352; Conservative 0; Mismatches 258; Indels 15; Gaps 2;

393 TAAAGTGTGCTACTCTCTTATTTGGATTGCTGTAGGCTCTCTGTAAGTCCCGGTAA 452
100 TAGCCGCGTGAACCAAGGTACTGGAGCTGTCGAAGCCGCTTGCTTGACGGGCAA 159
453 GGCATATGCTAGTCTCTCTGTCAGAGCTGTAAACAAAGATGGTCACTGCGCTTAGTGA 512
160 AGCATCCGCTCTCCAGCCCGCTGGAACTGCGACATCAACGACAGCCGAGCGG 219
513 CAGCAATGCCCAAGTGGCTGTAAAGGTGTAAACATGTATGTAACGACCAACCC 572
220 CGATCTGCTCAAGTGGCTCTGTATGGCGGAGCGGCTACTGACAGCAACAGGCGCC 279
573 TTGGGCTGTAAACGACAACTTGGCTATGTTTCTGCTGCTGCTCATAGTGTGTGG 632
280 ATGGGCGGTGAACGACAGCTTCTCTACGCGCTTCTGCGCCAGCTCTCGGAAAGCA 339
633 TGAATCTGCTGCTGCTGCTTCTGTTGTAACCTTCACTTCACTTCACTTCTGTTG 692
340 GGAAGCTATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 399
693 TAAAGATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 752
400 CAGCAATATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
753 TCACTTGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 812
451 CCACCTTGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 510
813 ATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 872
511 ATGGAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 564
873 CTGCTTGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 932
565 ATGTGCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624
933 GAAAGCTGTAACCCCAAGATGCTTCAAGAAATTACCTGCTCTAAGAAATCAAGCC 992
625 GAATGCGCAACCCCAAGATGCTTCAAGAAATTACCTGCTCTAAGAAATCAAGCC 684
993 CAAGCAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1017
685 CCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 709

RESULT 9

US-10-007-521-23
Sequence 23, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schulin, Martin

Andersen, Lene N.

Lassen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1el Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSER: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambitis, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 885 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..882

SEQUENCE DESCRIPTION: SEQ ID NO: 23:

US-10-007-521-23

Query Match 15.8%; Score 160.4; DB 9; Length 885;
Best Local Similarity 56.3%; Pred. No. 4.7e-42;
Matches 349; Conservative 0; Mismatches 256; Indels 15; Gaps 2;

393 TAAAGTGTGCTACTCTCTTATTTGGATTGCTGTAGGCTCTCTGTAAGTCCCGGTAA 452
60 TAGCCGCGTGAACCAAGGTACTGGAGCTGTCGAAGCCGCTTGCTTGACGGGCAA 119
453 GGCATATGCTAGTCTCTCTGTCAGAGCTGTAAACAAAGATGGTCACTGCGCTTAGTGA 512
120 AGCATCCGCTCTCCAGCCCGCTGGAACTGCGACATCAACGACAGCCGAGCGG 179
513 CAGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 572
180 CGATCTGCTCAAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 239
573 TTGGGCTGTAAACGACAACTTGGCTATGTTTCTGCTGCTGCTCATAGTGTGTGG 632
240 ATGGGCGGTGAACGACAGCTTCTCTACGCGCTTCTGCGCCAGCTCTCGGAAAGCA 299
633 TGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 692
300 GGAAGCTATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 359
693 TAAAGATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 752
360 CAGCAATATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 410
753 TCACTTGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 812
411 CCACCTTGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 470
813 ATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 872

Db 471 ATGGAACGGATCAATCT-----GGGCAACAGTATGGGGCTTACTGACCGCTCGCA 524
QY 873 CTGCTAGTCTTCTTCGCGACTCCAGCTGTTGTAATGAGATTCACTGGTTCAA 932
Db 525 ATGTGGAGAGCTCCCGCCAGTGGAGGCGACGCTGAACTGGCGCTTGCAGCTGGTTCCA 584
QY 933 GAACGCTGATACCAGCAAGCTGACTTACAGAGAGTACTCTGCTTAAAGGAATCAACCG 992
Db 585 GAATGGCGAGACACCCGCTGATGGAGCTGTCACTTCCACAGGAATTGGTGC 644
QY 993 CAAGACAGTTGTTCAAGAA 1012
Db 645 CCGAGCTGGCTGTTCCCGTA 664

RESULT 10
US-09-261-329-23
; Sequence 23, Application US/09261329
; Publication No. US20030092097A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Kim
; APPLICANT: Schuilein, Martin
; APPLICANT: Christiansen, Lars
; APPLICANT: Damgaard, Bo
; APPLICANT: Von der Osten, Claus
; TITLE OF INVENTION: Cellulase Variants
; FILE REFERENCE: 4887,204-US
; CURRENT APPLICATION NUMBER: US/09/261,329
; EARLIER FILING DATE: 1999-03-03
; EARLIER APPLICATION NUMBER: 1013/96
; EARLIER FILING DATE: 1996-09-17
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1261
; TYPE: DNA
; ORGANISM: Humicola grisea
US-09-261-329-23

Query Match 15.5%; Score 157.8; DB 9; Length 1261;
Best Local Similarity 57.9%; Pred. No. 4,2e-41;
Matches 348; Conservative 0; Mismatches 232; Indels 21; Gaps 3;

QY 404 CTACTGTTATTTGGATTGCTGTAGAGCTCTGCTAGCTGCGCGGTAGAGCCATGTCA 463
Db 128 CGACCAATACTGGAGCTGCTGCAAGCCATGCTCTTGGCCCGAAAGGCACTGTGA 187
QY 464 GTTCTCTGTCAAGTCTGTAAACAAGATGCTGCTGCTTAACTGACAGCAATGCC 523
Db 188 ACAGGCTGTC---TTCACTTGCAGCCCAAAATCCAGCGATCAGCCAGCCCAATACCA 244
QY 524 AAAGTGTCTGAACGCTGTGAACGTTACATGTGTACAGCAACAACACTTGGGCTGTAA 583
Db 245 AGTGGGCTGTGAAGGGGCTGCGGCTTTGCTGTGTGCTGACCAACCCCTCGGCTCTGA 304
QY 584 ACAGCAACTTGGCTATGTTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 643
Db 305 ACAGCAATGTGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 364
QY 644 GGTGCTGTTCTTGTGGAATTAATTCTTCACTTCTTCTTCTTCTTCTTCTTCTTCTT 703
Db 365 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 424
QY 704 TTGTCCAGTCACTAACAACGCTGTGATCTTGGCTCTTACTGCTGCTGCTGCTGCTGCT 763
Db 425 TTGTCCAGTCACTAACAACGCTGTGATCTTGGCTCTTACTGCTGCTGCTGCTGCTGCT 475
QY 764 TGCAATGCTCCGCTGTGCTGTGCTGTATTTCAATGCTTGTTCAGCCCAATGAGGCTGCTC 823
Db 476 TCCAGATTTCCAGGCGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 535
QY 824 CCAATGACGTTGGGGCTCAAGATACGCTGTGATTTCTTCTGCACTGACTGCTCTGATC 883

Db 536 TCGTGGGCA-----ACGCTACGGTGGCATCTCAGACCGCAGCTCTGCGACTCGT 586
QY 884 TTCTTCCGCACTCCAGCTGTGTTGTAATGAGATTCACTGCTTCAAGAAAGCTGATA 943
Db 587 TCCCTGGCGGCTGTCAAGCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 646
QY 944 ACCCAAGATGACTTACAGAGAGTACTCTGCTTAAAGGAATCAACCGCAAGAGTT 1003
Db 647 ACCCAAGCTTACTTCAAGAGAGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 706
QY 1004 G 1004
Db 707 G 707

RESULT 11
US-09-735-787-1
; Sequence 1, Application US/09735787
; Patent No. US20010036910A1
; GENERAL INFORMATION:
; APPLICANT: Rasmussen, Grethe
; Mikkelson, Jan Moller
; Schuilein, Martin
; Packar, Shankant A.
; Hagen, Fred
; TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
ADDRESS: NO. US20010036910A10 No. US20010036910A1disk of No. US20010036910A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
; COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambixis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: Humicola insolens
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: cDNA
TOPOLOGY: linear
ORIGINAL SOURCE:
STRAIN: DSM 1800
FEATURE:
NAME/KEY: mat.peptide
LOCATION: 73..924
FEATURE:
NAME/KEY: sig.peptide
LOCATION: 10..72
FEATURE:
NAME/KEY: CDS

LOCATION: 10..924
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-735-787-1

Query Match 15.1%; Score 153.6; DB 10; Length 1060;
Best Local Similarity 55.8%; Pred. No. 9, 2e-40;
Matches 344; Conservative 0; Mismatches 254; Indels 18; Gaps 2;

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QY 389 CTGTAAGCGTGTACTACTGTTATTTGGATTGCTTAAGCCCTTCTACTGCGCG 448
DB 71 CCGGTATGAGGAGGTGACCGCTCTACTGAGCTGCAAGCTTCTGCGGTGGCGCA 130
QY 449 GTAAGGCCATGTCTGCTCTGTAAGTCTGTAACAAGTGGTGTCACTGCCCTTA 508
DB 131 AGAAGGCTCCGTGAACAGCCTGTCTTTCTTGCAACCCCACTTCCAGGTAACGG 190
QY 509 GTGACAGCAATGCCCAAGTGTGCTGTAACGTTAAGTAACTATGTGTAACGACAC 568
DB 191 ACTTGAGCGCCAGTCCGGCTGGAGCGGGGGGTGTCCCTACTGTGTGGCGGACAGA 250
QY 569 AACCTTGGGCTGTAACGACAACTTGCCTATGTTTCTGTCTGTCTGCAATCAGTGTG 628
DB 251 CCCCATGGGCTGTGAACGACGACTTGCCTGGTCTTGTCTGCACTCTATTTGCGGCA 310
QY 629 GTGTAATCTGCTGTGCTGTCTTCTTGTGAACTTAATTCACTTCTACTGCTGTG 688
DB 311 GCAATGAGCGGGCTGTGTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 370
QY 689 CTGTAAGAAATGTTGTCTCAAGTCACTAACACTGAGTGTGATCTTGGCTCTCTACTG 748
DB 371 CTGGCAAGAAATGTTGTCTCAAGTCACTAACACTGAGTGTGATCTTGGCTCTCTACTG 426
QY 749 GTGCTCACTTTGACTGCAATGCCCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 808
DB 427 -----CCTCTGATCTCAATCTCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 481
QY 809 GCCAATGGGAGTCTCCCAATGACGGTGGGCTCAAGATAGGTTGATTTCTTGTGAT 868
DB 482 CCCAGTGGGCGGTCTGCGCC-----GGCCAGGCTTACGGCGGCACTGTCCCGCA 532
QY 869 CTGACTGCTTATGTTCTTCTTCTGCACTCCAACTGTTGTAAATGAAATTCAACTGTG 928
DB 533 ACGAGTGCATCGGTTCCCGGAGGCGCTCAAGCGCGGCTGCTAGTGGCGCTTGAATGTG 592
QY 929 TCAAGAACCTGTATTAACCAAGCATGACTTCAAGAAATGATTAATCTTCTTGAAGAAATGA 988
DB 593 TCAAGAACCTGTATTAACCAAGCATGACTTCAAGAAATGATTAATCTTCTTGAAGAAATGA 988
QY 989 CCGCAAGACAGGTTG 1004
DB 653 TCGCTCGCACCGGATG 668

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RESULT 12

US-10-007-521-11
Sequence 11, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Laessen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York

COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:
NAME: Lambitis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1174 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 60..956

US-10-007-521-11
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
Query Match 15.1%; Score 153.6; DB 9; Length 1174;
Best Local Similarity 56.5%; Pred. No. 9, 8e-40;
Matches 357; Conservative 0; Mismatches 254; Indels 21; Gaps 3;

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QY 373 GTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 432
DB 111 GTGCGCTCCGCGGCGGAGGCGAGTGGCCAGTCCAGAGTACTGAGCTGCAAGCGCG 170
QY 433 TCTGTAGCTGCGCGGTAAGGCCAATGTCAGTTCTCTGTCAAGTCTGTAAACAAGAT 492
DB 171 TGTGTGCTGTGCGCGGGAAGGCCCGGCTGACGCAACCGGTCTTACGCGT---CGATGCC 227
QY 493 GGTGTCACTGCGCTTATGAGCAGCAATGCCCAAGTGGCTGTAAACGTTAAACAGTTAC 552
DB 228 AACTTCAGCGGCTGTGTGCGAATTCATGATGCAATGCGGCTGCAACGCGGCTCGGCTAC 287
QY 553 ATGTGTACGACCAACCACTTGGGCTGTAAACGACAACTTGGCTATGTTTGGTGTGCT 612
DB 288 TCTGTGCGCGGACCAACTCTCGGGGGGTGAACGACAACTCGGCTTACGCGCTTCCGCGG 347
QY 613 GCTGCATCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 672
DB 348 ACGAGCATGCGCGGCGGCTGCGAATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 407
QY 673 ACTTCTACTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 732
DB 408 ACTTCCGCTCCGCTGCGCGGCAAGCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 467
QY 733 CTGTGCTCTTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 792
DB 468 CTGGG-----AAGTAACCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 518
QY 793 TTAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 852
DB 519 TTCAACGCTGCAAGCTGCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 569
QY 853 GGTATTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 912
DB 570 GGCATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 629

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457 AATGTCAGTTCCTCTGTCAGTCCTGTAAACAAGATGGTGTCACTGCCCTTAGTGACAGC 516

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US

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; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1031 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 11..889
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-007-521-19

Query Match      13.3%; Score 135.6; DB 9; Length 1031;
Best Local Similarity 54.9%; Pred. No. 7.7e-34;
Matches 339; Conservative 0; Mismatches 264; Indels 15; Gaps 3;

QY 397 GGTGCTACTGCTGTTATGGGATGCTGTGAAGGCTCCGTAGTGGCCCGGTAGGGC 456
DB 71 GAGATTACACCCGCTACTGGAGCTCTGCAGCCAGCTGTGAGATGAGAAAGGCT 130
QY 457 AATGTCAGTTCTCTGCTCAAGTCTCTGTAACTAAGATGTGTCTACCTCCCTTATGTCACAGC 516
DB 131 TCTGTTTCTGCTCACTGCAAGCTTGTGATCGTAATGGAATTCATCTGGCCAGCGG 190
QY 517 AATGCCAAAGTGGCTGTACGCTGTGTACAGTTACATGTGTACACAACCAACTTGG 576
DB 191 AAAAGCGAGTGA--TAGCGGTGAGACGTCACTTACCTGCGCAACAATGTCATT 247
QY 577 GCTGTAAAGCAACCTGCTATGTTTGGCTGCTGCTGCCATGAGTGTGTGTA 636
DB 248 GCATTTACAAATACACTGATATGTTTGTGCTGACGCCACTTACGGGCTCTACGGA 307
QY 637 TCTCGCTGCTGCTGTTCTTGTTCGAATCTTCTTCACTTCTGTTGCTGTAG 696
DB 308 GCAAGCTGTGTGCTGCAAGTGTGTAAGTGAAGTGAAGTGAAGTGAAGTGAAG 367
QY 697 AAGATGTTGTCCAGTCACTAACACTGTGTGTATCTGCTCTCTTCACTGCTGCTAC 756
DB 368 AAATGACCGTTCAGTCAACAACAGCGGAGGTGACCTCGG-----AAATATAC 418
QY 757 TTGATCTTCAATGCGCGGTGTGTGTGTATTTTCAATGTGTGTCCAGCCATAG 816
DB 419 TTGATCTATATGATCCCGGTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 478
QY 817 GGTGCTCCCAATGACCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 876
DB 479 TTGAGAGGTGAGAG--GGGCTGTCAATATAGGGGGTGTGTGTGTGTGTGTGTGT 535
QY 877 TCTAGTCTTCTTCCGCACTCCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 936
DB 536 TCCCACTTCCAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 595
QY 937 GCGATTAACCAAGCAATGATTAACAAGAAATTAACCTGTGTGTGTGTGTGTGTGT 996
DB 596 GCGGATTAACCAAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 655
QY 997 ACAGTTGTTCAGAAAA 1014
DB 656 TGGGCTGTGTGTGTAA 673

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RESULT 15
US-10-007-521-17
; Sequence 17, Application US/10007521

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; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1048 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 13..906
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-007-521-17

Query Match      13.3%; Score 135.6; DB 9; Length 1048;
Best Local Similarity 54.9%; Pred. No. 7.8e-34;
Matches 339; Conservative 0; Mismatches 264; Indels 15; Gaps 3;

QY 397 GGTGCTACTGCTGTTATGGGATGCTGTGAAGGCTCCGTAGTGGCCCGGTAGGGC 456
DB 88 GAGATTACACCCGCTACTGGAGCTCTGCAGCCAGCTGTGAGATGAGAAAGGCT 147
QY 457 AATGTCAGTTCTCTGCTCAAGTCTCTGTAACTAAGATGTGTCTACCTCCCTTATGTCACAGC 516
DB 148 TCTGTTTCTGCTCAAGTCAAGCTTGTGATCGTAATGGAATTCATCTGGCCAGCGG 207
QY 517 AATGCCAAAGTGGCTGTACGCTGTGTACAGTTACATGTGTACACAACCAACTTGG 576
DB 208 AAAAGCGAGTGA--TAGCGGTGAGACGTCACTTGTGCGCAACAATGTCATT 264
QY 577 GCTGTAAAGCAACCTGCTATGTTTGGCTGCTGCTGCCATGAGTGTGTGTGTA 636
DB 265 GCATTTACAAATACACTGATATGTTTGTGCTGAGCCCACTTACGGGCTCTACGGA 324
QY 637 TCTCGCTGCTGCTGTTCTTGTTCGAATCTTCACTTCACTTGTGTGTGTGTGTGT 696

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Db      325 GCAGCCTGGTGTCCAGAGTCTACGAATTGACGTTTACAGAGTGAGCCCGTAGTTGGGAAG 384
QY      697 AAGATGTTGTCCAGAGTCTACGATCTGAGTGTGATCTTGACTCTCTACTGAGTCTCAC 756
Db      385 AAACGTACCGTTCAAGTCAACAAACAGGAGGTGACTCGG-----AAATATACAC 435
QY      757 TTGACTTTCGCAATGCCCGGTGGTGTGTTGTAATTTCAATGTTGTTCCAGCCAAATGG 816
Db      436 TTGACTGTATGATCCCGGTGGAGGTGTGGCCCTTTCACACAGAGATGTCTGCTCAG 495
QY      817 GGTGCTCCCAATGACGTTGGGGCTCAAGATAGGTGTATTTCTTCTGATCTGACTGC 876
Db      496 TTGGGAGCTGGAACG---GGGGTGTCAATACGGGGGTGTGTCCAGCCGTGACCAATGC 552
QY      877 TCTAGTCTTCTCCGACTCCAGCTGTGTGTAAATGAGATTCAACTGGTTCAAGAAC 936
Db      553 TCCCAATTTCCAGAGAGTGTGCAAGCTGATGTCAATTCGTTTCGACTGATGGGTGGC 612
QY      937 GCTGATTAACCAAGCATGACTTACAGAGAAAGTTACTGTCTTAAGGAAATCACCGCAAG 996
Db      613 GCGGATTAACCCCAAGTCACTTCCGACCTGTGACCTGCCAGCGAGCTCACTAATATC 672
QY      997 ACAGGTGTTCAGAGAAA 1014
Db      673 TCGGGCTGTGTTCGTAAA 690
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Search completed: June 18, 2003, 01:59:05
Job time : 145.504 secs